

BRABEC, V.; BICANOVA, J.; FRIEDMANN, B.; KOUT, M.; MIRCEVOVA, L.;
PALEK, J.; VOPATOVA, M.; VOLEK, V.

Metabolic changes of erythrocytes in autoimmune hemolytic
disease. Cas. lek. cesk. 104 no.22:604-605 4 Je '65.

1. Ustav hematologie a krevni transfuze v Praze (reditel:
prof. dr. J. Horejsi, DrSc.) a I. interni klinika fakulty vse-
obecneho lekarstvi Karlovy University v Praze (prednosta prof.
dr. V. Hoenig, DrSc.).

CZECHOSLOVAKIA

MIRCEVOVA, L.; BICANOVA, J.

Institute of Hematology and Blood Transfusion, Prague
- (for both).

Prague, Collection of Czechoslovak Chemical Communi-
cations, No 11, November 1965, pp 5968-5972.

"Formation of urea from asparagine in human eryth-
rocytes."

RUMANIA / Microbiology. Microbes Pathogenic for Man F-4
and Animals. Bacteria. Aerobic Bacilli.

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76785.

Author : Stamat, N.; Popa, O.; Bicapopli, V.; Isopescu,
I.; Lungu, I.; Draghici, D.

Inst : Not given.

Title : On the Study of the Biology of Bacillus Anthracis
in Soil.

Orig Pub: Anuarul lucrar. stiint. Inst. agron., 1957, 447-455.

Abstract: The possibility is shown of the preparation of B.
anthracis in soil under certain conditions of
temperature, humidity and presence of organic sub-
stances (especially of blood). In dry soil, the
bacilli and their spores perish.

Card 1/1

GREGOR, M.; JESENAK, V.; BICEK, D.

Effect of dolomite and dolomitic limestone on the decomposition of ammonium nitrate. Chem prum 14 no.12:619-625 D '64

1. Chair of Inorganic Technology of the Faculty of Chemistry of the Slovak Higher School of Technology, Bratislava, (for Gregor and Jesenak).
2. Chemicke zavody J. Dimitrova, Sala nad Vahom (for Bicek).

BICH, N., podpolkovnik; BOGDANOV, N., gvardii kapitan; MOCHENEV, A., kapitan

Life demands. Voenn. vest. 41 no.12:60-62 D 161. (MIRA 15:3)
(Russia--Army--Personnel records)

BICH, Ya.A., kand.tekhn.nauk

Determining the extent to which coal seams are subject to bumps.
[Trudy] VNIMI no.49:39-63 '62. (MIRA 17:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut.

DICHA, YA. A.

15-1957-1-1149 D

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 181 (USSR)

AUTHOR: Bich, Ya. A.

TITLE: Investigation of Some Occurrences Dangerous to
Mining Operations in the Zones of Bearing Pressure
on the Strata (Issledovaniye nekotorykh protsessov,
proiskhodyashchikh v zonakh opornogo davleniya na
plastakh, opasnykh po gornym udaram)

ABSTRACT: Bibliographic entry on the author's dissertation for
the degree of Candidate of Technical Sciences, pre-
sented to the Leningr. gorn. in-t (Leningrad Mining
Institute), Leningrad, 1956.

ASSOCIATION: Leningr. gorn. in-t (Leningrad Mining Institute),
Leningrad.

Card 1/1

SOV/124-58-3-3300

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 3, p 109 (USSR)

AUTHOR: Bich, Ya. A.

TITLE: Investigation of Mechanical Properties of Coal in a Mine in Layers That Are "Bump" Critical (Issledovaniye mekhanicheskikh svoystv uglya v shakhte na plastakh, opasnykh po gornym udaram)

PERIODICAL: Issled. po vopr. gorn. i marksheyd. dela, 1957, Nr 31, pp 3-22

ABSTRACT: Bibliographic entry

Card 1/1

BICH, Ya.A., kand.tekhn.nauk; FEDOTOV, A.P., inzh.

Basic properties of coal seams which determine their tendency
to rock bumping. Ugol' 36 no.1:31-34 Ja '61. (MIRA 14:1)
(Subsidences (Earth movements))

BICH, Ya.A., kand. tekhn. nauk; AMAN, I.P., inzh.

Ground movement under seams in the Prokop'yevsk region of the
Kuznetsk Basin. [Trudy] VNIMI no.47:22-31 '62 (MIRA 17:7)

BICH, Ya.A., kand. tekhn. nauk; BUBLIK, F.P., kand. tekhn. nauk

Determining the compression strength of coal seams. [copy]
VNIMI no.50:45-53 '63. (MIRA 17-13)

BICH, Ya.A.; kand.tekhn.nauk; BAZHENOV, A.I., inzh.

Results of testing the mechanical properties of coal seams in
Kemerovo and Prokop'evsk region mines of the Kuznetsk Basin.

Ugol' 38 no.3:28-32 Mr '63.

(MIRA 18:3)

BICH, Ya.A., kand. tekhn. nauk; MURATOV, N.A.; BLISHCHENKO, S.M.;
YENDAL'TSEV, B.M.

Rock bumps and efforts to control them in mines of the Suchan
deposit. Ugol' 39 no.5:64-67 My '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut
(for Bich). 2. Shakhta No.21 Suchanskogo mestorozhdeniya (for
Muratov). 3. Trest Suchanugol' (for Blishchenko). 4. Shakhta
No.10/16 Suchanskogo mestorozhdeniya (for Yendal'tsev).

BICH, Ye.P.

Mechanism of the action of intra-arterial infusions of blood and medicinal substances in asphyxia; experimental study. Zdrav. Bel. 8 no.5:26-29 My '62. (MIRA 15:10)

1. Iz Buda-Koshelevskoy rayonnoy bol'nitsy Gomel'skoy oblasti (glavnyy vrach Ye.P.Bich). Nauchnyy rukovoditel' - chlen-korrespondent AMN SSSR, zasluzhennyy deyatel'nauk BSSR prof. L.S. Persianinov.

(ASPHYXIA) (BLOOD--TRANSFUSION)

BICHAY, L.

Twenty-fifth anniversary of the stokehole of beyond the Artic Circle.
Mast. ugl. 8 no.11:23-24 N '59. (MIRA 13:2)
(Pechora Basin--Coal mines and mining)

BICHAY, L.

Coal is mined under rivers. Vast. ugl. 9 no.5:5 My '60.

(MIRA 13:7)

(Pechora Basin--Coal mines and mining)

BICHAYEV, B.P., kand.tekhn.nauk; ZELENIN, V.M., kand.tekhn.nauk

Electron model of a marine gas turbine plant. Sudostroenie 29
no.10:26-29 0 '63. (MIRA 16:12)

ACC NR: AP6033469

SOURCE CODE: UR/0413/66/000/018/0056/0056

INVENTOR: Bichel', V. V.; Merkulov, A. A.; Pozdnyakov, L. P.

ORG: None

TITLE: A bent dipole antenna with a counterweight. Class 21, No. 185971

SOURCE: Izobret prom obraz tov zn, no. 18, 1966, 56

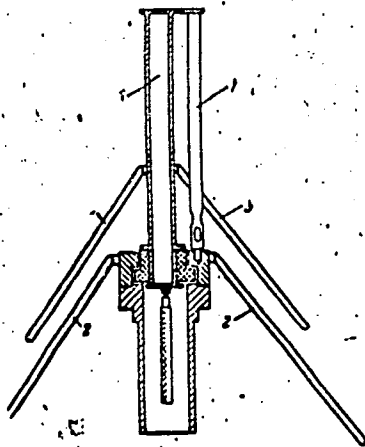
TOPIC TAGS: dipole antenna, bandwidth expansion

ABSTRACT: This Author's Certificate introduces a bent dipole antenna with a counterweight. The unit consists of an asymmetric bent dipole equipped on the lower end with a quarter-wave inclined multiple-rod counterweight. The working frequency band is expanded by connecting a second counterweight to the supply rod made up of rods tuned to the upper limit of the frequency range.

Card 1/2

UDC: 621.396.673

ACC NR: AP6033469



1--loop; 2 and 3--counterweights

SUB CODE: 09/ SUBM DATE: 29Jul63

Card 2/2

SCHASTNYI, N., inzhener-polkovnik; BICHENKO, I., polkovnik.

Develop the creative activity of inventors and efficient workers.
Voen.vest. 36 no.5:58-62 My '56. (MLRA 9:8)
(Military art and science)

37405

S/135/62/000/005/001/007
A006/A101

1.2.210

AUTHORS: Sedykh, V. S., Candidate of Technical Sciences, Deribas, A. A.,
Candidate of Physical and Mathematical Sciences, Bichenkov, Ye. I.,
Trishin, Yu. A., Engineers

TITLE: Explosion welding

PERIODICAL: Svarochnoye proizvodstvo, no. 5, 1962, 3 - 6

TEXT: The possibility of explosion-welding similar and dissimilar metals [steels (T.3. (St.3) + St.3; St.3 + 1X18H9T (1Kh18N9T), M3 + M3; OT4 + OT4; OT4 + M3; 1Kh18N9T + M3 and 1Kh18N9T + A Δ H (ADN)] was experimentally investigated. (See Figure 1). Plates 150 - 200 mm long, 20 - 40 mm wide and 1.5 - 15 mm and 1.5 - 4 mm thick were welded. The variable values were: distance h between the plate surfaces, angle α between the plates along the longitudinal axis of the samples, and the charge height of the explosive. Explosion welding makes it possible to obtain weld joints in the solid phase without the formation of intermediate chemical components between dissimilar metals and alloys. In explosion welding, the joint is produced under the effect of the energy of the scattering

Card 1/3

Explosion welding

S/135/62/000/005/001/007
A006/A101

explosive detonation products upon the surfaces to be welded which are arranged to each other at a certain angle. During their collision, a cumulative jet is being formed, and the motion of the movable plate along the fixed one causes the tangential shift of their surface layers. The tangential discontinuity of speed which then occurs is accompanied by an increase of disturbances. The jet destroys and carries away oxide films and other non-metallic inclusions from the surfaces to be joined. The disturbances, additionally to tangential shifts, cause the joint formation of "waves" on the surfaces to be joined at the collision points; they are thereby approached to distances which are necessary for the arising of metallic bonds between the parts, and the junction surface is thus increased. The explosive type is an important factor in explosion welding; best results were obtained with low-density granular materials such as Hexogen, etc. Explosion welding can be used in the manufacture of blanks for bimetal rolling, cladding of structural steel surfaces with metals and alloys, having particular physical and chemical properties; and for welding dissimilar metal blanks and parts. The authors thank Academician M. A. Lavrent'yev for his assistance. There are 9 figures, 1 table and 9 references; 6 Soviet-bloc and 3 non-Soviet-bloc.

Card 2/3

Explosion welding

S/135/62/000/005/001/007
A006/A101

ASSOCIATION: Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR (Institute of Hydrodynamics at the Siberian Branch of AS USSR)

Figure 1. Schematic diagram of explosion-welding of specimens

Legend: 1 - rigid base

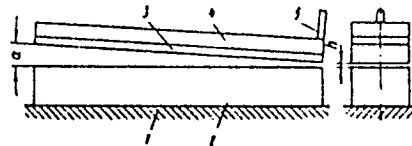
2, 3 - plates to be welded

4 - explosive charge

5 - detonator

α - angle between the plates

h - least distance between the plates



Card 3/3

L 43724-65 EWT(1) IJP(c)
ACCESSION NR: AP5008493

S/0207/64/000/006/0003/0005

16
B

AUTHOR: Bichenkov, Ye. I. (Novosibirsk)

TITLE: The effect of finite conductivity on the generation of strong magnetic fields by the sudden collapse of conducting shells

21
SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 6, 1964, 3-5

TOPIC TAGS: strong magnetic field, finite conductivity, uniform magnetic field, superconductor, conducting shell, implosion

ABSTRACT: A general statement is given of the problem of explaining phenomena taking place during the collapse [implosion] of shells made of superconducting material, but also taking into account field diffusion into the conductor, conductor heating, possible evaporation, and change in electric conductivity associated with this and other effects. Phenomena connected with the presence of finite conductivity are also investigated. Starting with the assumption that conductivity is constant, the limiting field and the effective depth of field penetration into the conductor are calculated for the case of the constriction of a uniform magnetic field by two flat, parallel surfaces moving towards each other at constant velocity.

Card 1/2

L 43724-65

ACCESSION NR: AP5008493

The calculation given for field penetration into the conductor shows the essential difference in the solution of the problem for a superconductor and for a conductor with finite conductivity, and from the mathematical point of view consists in the degeneration of the integral equation describing the field constriction process. Orig. art. has: 18 formulas and 2 figures.

ASSOCIATION: none

SUBMITTED: 01Jul64

ENCL: 00

SUB CODE: EM

NO REF SOV: 002

OTHER: 001

ml
Card 2/2

BICHENTAY, R. N.

11(2,4)

PHASE I BOOK EXPLOITATION

507/2536

Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti.
Problemy nefli i gasa (Oil and Gas Problems). Moscow, Gosizdatkhim, 1990.
362 p. (Series: Axi. Trudy, Vyp 24). Errata slip inserted. 2,000 copies
printed.

Sponsoring Agency: Ministerstvo vysshego obrazovaniya SSSR.

Exec. Ed.: G. F. Morgunova; Tech. Ed.: I. G. Fedotova; Editorial Board:
I. F. Zhigach, Professor (Resp. Ed.); I. M. Murav'ev, Professor, A. A.
of Technical Sciences, Candidate of Economic Sciences, V. N. Zinogradov, Candidate
of Technical Sciences, M. M. Chaydin, Professor, I. F. Duzayev, Professor,
I. A. Chernykh, Professor, V. N. Dabakov, Professor, G. N. Panchenkov,
Professor.

PURPOSE: This collection of articles is intended for specialists in the
petroleum and gas industry. It will also be of interest to scientific
research institutes, teachers and students of vuses.

COVERAGE: This collection of articles reviews problems connected with natural
study of regional oil- and gas-bearing zones, the crystalline beds underlying
the Volga-Urala petroliferous region, sections of the Caspian depression,
seismic prospecting, oil well logging, development of oil and gas fields,
petroleum-bearing formations and their geotechnical characteristics, and
petroleum engineering. Other articles deal with gas turbine engines and
their possible use in the oil and gas industry, the production of carbonyl
organic compounds, the application of ion exchange tars to the
analysis, continuous cooking of heavy petroleum tars to the
action), the improvement of lubricating oil and grease. The book contains
a number of photographs, tables, flow sheets, and diagrams. Some of the
acid esters on properties of lubricating oil and grease. The book contains
those relating to coal gasification and conversion of heavy petroleum resi-
dues over a fluidized bed catalyst deserve special attention. References
accompany individual articles.

Abstracts: Gas Turbine Engines and Prospects of Utilizing Them
in Petroleum and Gas Industry

Zhigach, I. F., M. Z. Pankalashvili, I. M. Timshin, and Ye. M.
Kugler'skiy. Study of Physicochemical Properties of Fractions and
Low Polymerization Compounds of Carbonylcelluloses, and Their
Production

Kopchikov, A. V., Ye. M. Panchkin, I. F. Bayev, M. V. Kuznetsov, and
Q. I. Sulaiman. Present State of the Synthesis of Benzene
Homologs and Their Chemical Processing

Isaguliyeva, Ye. I. Ionie Exchange Tars and Their Application to
Organic Catalysis

Gerrich, V. L. (Deceased), A. I. Shablo, Ye. V. Sidorovich, M. P.
Zaytseva, M. S. Kazanskaya, Ye. N. Politskiy, A. S. Surovov, and
M. M. Shcherbakov. The Process of Controlling the Cooking of Heavy
Petroleum Residues Carried Out Over a Powdered Coke

Chernomukhin, N. I., I. F. Lukashovich, A. Z. Rikhsiev, O. G. Shumakov,
Ye. V. Karakova, M. F. Sedchikova, K. A. Shchegoleva, I. M. Markova,
Ye. A. Kuznetsov, and G. G. Gerasimov. Solubility of Hydro-
carbon Residues in Organic Solvents and Possibilities of Improving Lubri-
oil Manufacturing

Malikouskaya, D. S. Synthetic Acid Esters and Their Influence on
Properties of Lub Oil and Grease

311

311

L 4887-66 EWT(1)/EWA(J)/EWA(b)-2 JK
ACC NR: AP5024011

UR/0348/65/000/009/0028/0026
632.95/.4:633.51

AUTHOR: Blicherov, Ye. (Research associate)

TITLE: Organophosphorus preparations and wilt disease of cotton plants

SOURCE: Zashchita rasteniy ot vreditel'ey i bolezney, no. 9, 1965, 26

TOPIC TAGS: insecticide, plant disease, plant disease control, plant growth

ABSTRACT: The effect of organophosphorus preparations on verticillaceous wilt disease in cotton plants was studied in the experimental base of the Institut zashchity rasteniy SoyuzNIKHI (Institute for Plant Protection, SoyuzNIKH). The experiments took into account the effect of the preparations on growth, the appearance of blooming and ripening phases, disease incidence rate, the harvest of the cotton, and field germination. By the end of the season the incidence rate had increased 16 fold. The greatest effect was due to Meta-Systox processing at the beginning of budding. Starting in 1963, only methyl-mercaptophos (1 kg/hectare) was used, since it stimulates the growth of plants. This preparation, used in the earlier phase of the development of the cotton plant, does not promote wilt disease, and in the budding stage increases the quantity of diseased plants (by 16 - 20% as compared to the control), but does not decrease the harvest. The seeds processed by this preparation lose their germinating capacity somewhat (49.9% vs 71% in the control). The blooming stage appeared 6 - 7 days later than in the control.

Card 1/2

L 4887-66

ACC NR: AP5024011

ASSOCIATION: IZR SoyuzNIKhl

SUBMITTED: 00

ENCL: 00

SUB CODE: LS, GO

NO REF SOV: 000

OTHER: 000

EC
Card 2/2

L 60221-55 ENT(1)/EWA(j)/EWA(h)-2/T RO

ACCESSION NR: AP5019089

UR/0286/65/000/012/0110/0110

AUTHORS: Kadyrov, Ch. Sh.⁴⁴; Bicherov, Ye. V.⁴⁴

22
B

TITLE: A method for lowering the susceptibility of cotton to verticillate blight.
Class 45, No. 172157

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 110

TOPIC TAGS: agriculture, disease control, plant culture, pesticide⁴⁴

ABSTRACT: This Author Certificate presents a method for lowering the susceptibility of cotton to verticillate blight by spraying the plants with fungicides. To broaden the assortment of the latter, 3-propionylpyridine is used as the fungicide.

ASSOCIATION: none

SUBMITTED: 06Aug64

ENCL: 00

SUB CODE: 19

NO REF SOV: 000

OTHER: 000

RIZAYEV, Sh.R.; ZAPROMETOV, S.G., otvetstvennyy redaktor; ~~BICHEROVA, A.M.~~,
redaktor izdatel'stva; GOR'KOVA, Z.P., tekhnicheskiiy redaktor

[Theory of soil resistance to displacement] K teorii soprotivleniia
gruntov sdvigu. Tashkent, Izd-vo Akademii nauk Uzbekskoi SSR, 1956.
48 p.

(Soil mechanics)

(MIRA 9:10)

PLATONOV, V.; AMPLEVSKAYA, S.; LANDES, G.; DISANSKI, S.; BICHEROVA, A.,
red.; SALAKHUTDINOVA, A., tekhn. red.

[Practices in machine ~~harvesting~~ of cotton] Opyt mashinnoi
uborki khlopka. Tashkent, Gosizdat UzSSR, 1962. 78 p.
(MIRA 16:4)
(Uzbekistan--~~Cotton~~-picking machinery)

TASHMUKHABEDOV, Tulyagan Rasulevich; BICHENOVA, A. red.; ABBASOV, T.,
tekhn. red.

[New way of working a thick flat coal seam] Novyi sposob raz-
rabotki moshchnogo pologopadaiushchego ugol'nogo plasta.
Tashkent, Gosizdat UzSSR, 1963. 71 p. (MIRA 1619)
(Angren Basin--Coal mines and mining)

VIL'KEVICH, Boris Iosifovich, dots. kand. tekhn. nauk, BICHEROVA, A.,
red.; BABAKHANOV, A., tekhn. red.

[Electrical network of the TE3 diesel locomotive] Elektri-
cheskaia skhema teplovoza TE3. Izd. 2., dop. Tashkent, Gos.
izd-vo UzSSR, 1963. 134 p. (MIRA 16:11)
(Diesel locomotives)

ZIYADULLAYEV, Saidkarim; BICHEROVA, A., red.

[Industrial beacon in the East] Industrial'nyi maiak na
Vostoke. Tashkent, Uzbekistan, 1964. 118 p.
(MIRA 18:2)

GARTMAN, Valentin Aleksandrovich; KARIMOV, Ubaydulla Aliyevich;
SAPEL'NIKOV, Ivan Alekseyevich; SHLIFER, David Grigor'yevich;
BICHEROVA, A., red.

[Pocke. handbook for the inventor and innovator] Karman'yi
spravochnik izobretatelia i ratsionalizatora. Tashkent,
Izd-vo "Uzbekistan," 1965. 150 p. (MIRA 18:8)

MAKAROV, Andrey Yakovlevich; BICHEROVA, A., red.

[Finishing operations in large-block, large-panel, and brick construction] Otdelochnye raboty v krupnoblochnom, krupnopanel'nom i kirpichnom stroitel'stve. Tashkent, Uzbekistan, 1965. 30 p. (MIRA 18:12)

LELEKO, N.M.; FISHKIS, M.M., kand. tekhn. nauk, retsenzent;
BICHEV, A.G., inzh., red.

[Standard equipment for making welded structures; album
of drawings] Tipovye prispособleniia dlia proizvodstva
svarnykh konstruktsii; al'bom chertezhei. Moskva, Ma-
shinostroenie, 1964. 99 p. (MIRA 17:10)

BICHEV, K.

The Soviet Light and Food Industry in a Mighty Boom. Leka Promishlenost
(Light Industry), #10:38:Oct 54

BICHEV, K.

The Rationalizer Mircho Gramatikov, (Chief Engineer of the "Zebra"
State Rubber Plant). Leka Promishlenost (Light Industry), #12:34:Dec. 1954

BICHEV, K.

National Scientific-Technical Textile Conference. Leka Promishlenost
(Light Industry), #12:36:Dec. 1954

BICEV, Krum [Bichev, Krum], inz. (Sofie)

Bulgarian Glass and Ceramic Research Institute helps production. Sklar a keramik 13 no.11:310 N°63.

DOBREV, St.; BICHEV, R.

Kinetics of the hydrolysis of easily-hydrolyzed polysaccharides in the
oak wood mass extracted by diluted solutions of sulfuric acid. Khim i
Industriia 35 no.6:211-214 '63.

PICHEV, P.; PASIK, M.

"Investigating oak pith in Bulgaria in relation to the production of tannin extract."

GOBISHTIF: Vol. 3, No. 2, 1956; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress,
Vol. 2, No. 8, August, 1959

Unclassified

PINEV, R.; BASAN, IA.

"Investigation of the preservation of surplus bank from rotting in the army and factory warehouses."

GOEDISHNIK, Vol. 3, No. 2, 1956; Sofia, Bulgaria

Monthly list of EAST EUROPEAN ACQUISITIONS INDEX (EMAI), Library of Congress,
Vol. 3, no. 8, August, 1959

Unclassified

BICHEV, R.

"Losses in Refining Sunflower Seed Oil." p. 24,
(LEKA PROMISHLENOST, Vol. 3, No. 3, 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

BICHEV, R.; LANKOVA, R.

The pentose hydrolysis of beechwood in diluted sulfuric acid. Khim
i industriia 34 no.3:86-89 '62.

ACC NR: AP7004969

SOURCE CODE: UR/0048/66/030/009/1448/1450

AUTHOR: Bolkind, A.I.; Bichevin, V.V.; Kalendarev, R.I.; Kysambre, Kh.F.

ORG: Physics Institute of the LatvSSR Academy of Sciences (Institut fiziki Akademii nauk LatvSSR); Institute of Physics and Astronomy of the EstSSR Academy of Sciences (Institut fiziki i astronomii Akademii nauk EstSSR)

TITLE: Further remarks concerning two mechanisms of photostimulated electron emission from ionic crystals /Report, Fourteenth All-Union Conference on Luminescence (Crystal Phosphors) held at Riga, 16-23 Sept. 1965/

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 9, 1966, 1448-1450

TOPIC TAGS: luminescent crystal, alkali halide, secondary electron emission, photoelectric effect, luminescence center, F band, *STIMULATED EMISSION, PHOTOELECTRON*

ABSTRACT: The following two mechanisms for photostimulated electron emission from alkali halide crystals are briefly discussed: 1) direct photoionization of an F center with the escape from the crystal of the resulting energetic photoelectron) and 2) photothermal ionization of a center and escape from the crystal as a result of thermal fluctuations of the thermal electron thus produced. The potential barriers W against escape of an electron from alkali halide crystals are calculated as the difference between the photoelectric threshold and the width of the forbidden gap from relevant data in the literature. Values of W for NaCl and KCl were also calcu-

Card 1/2

ACC NR: AP7004969

lated from the temperature dependence of electron emission from previously x-ray irradiated crystals stimulated in the F and E bands by invoking mechanism 2). The W values found in this way were systematically lower than those calculated directly from the photoelectric threshold. It is hypothesized that this difference is due to the fact that the photoelectric effect was investigated in vacuum, whereas the emission due to stimulation in the F and E bands was measured in a gaseous atmosphere. This hypothesis was tested by measuring the photostimulated luminescence and electron emission in vacuum of x-ray or γ -ray excited KCl:Tl and KBr:Tl crystals. It was found that a maximum in the F band in the stimulation spectrum for photostimulated electron emission, which is characteristic of process 2), was present only when the measurements were made in a gaseous atmosphere (air + alcohol vapor, or methane). It is assumed that the presence of an atmosphere results in contamination of the surface and therefore in a lower value of W, which makes it possible for mechanism 2) to contribute appreciably to the electron emission. Orig. art. has: 3 figures and 1 table.

SUB CODE: 20

SUBM DATE: none

ORIG. REF: 007

OTH REF: 008

Card 2/2

SHMAKOVA, V.I.; YUZHAKOVA, N.N.; REZNICHENKO, V.G.; GLEBOV, I.T.; VOLKOV, A.S.;
URZLYA, N.Ye.; BEKHTEREV, P.A.; RYS', G.I.; VORONINA, M.N.; GVOZDINTS-
KIY, I.N.; VARAKSINA, M.P.; MASTERSKIKH, M.A.; GONCHAROVA, V.A.;
BICHEVINA, A.N.; SOROKIN, M.A., red.; GRIN', Ye., tekhn.red.

[Economy of Altai Territory during the past 40 years; a statistical
manual] Narodnoe khoziaistvo Altaiskogo kraia za 40 let. Sovetskoi
vlasti; statisticheskii sbornik. Barnaul, Altaiskoe knizhnoe izd-vo,
1957. 110 p. (MIRA 11:3)

1. Altayskiy kray. Statisticheskoye upravleniye. 2. Statisticheskoye upravleniya Altayskogo kraya (for all except Sorokin, Grin')

1. 3. Nachal'nik Statisticheskogo upravleniya Altayskogo kraya
(for Sorokin)

(Altai territory--Statistics)

BICHEVINA, V. I.

BICHEVINA, V. I. -- "On the Stimulating Effect of Protoanemonine (Experimental Investigation)." Min Agriculture USSR. Moscow, 1956.
(Dissertation for the Degree of Candidate in Veterinary Sciences).

So.: Knizhnaya Litopis', No. 7, 1956.

BICHEVINA, V. N.

"Determination of the Principal Seismic Elements of Central Asia According to Instrumental Observations of Nearby Earthquakes." Cand Phys-Math Sci, Irkutsk State U, Irkutsk, 1954. (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

SOV/169-59-2-1157

Translation from: Referativnyy zhurnal, Geofizika, 1959, Nr 2, p 18 (USSR)

AUTHOR: Bichevina, V.N.

TITLE: The Determination of the Seismic Elements From Regional Instrumental Observations

PERIODICAL: Soobshch. Sakhalinsk. kompleksn. n.-i. in-ta. AS USSR, 1957, Nr 5, pp 72 - 86

ABSTRACT: Hodographs were plotted and the structure of the earth's crust was determined on the basis of observations of the regional seismic stations tracking 26 earthquakes in Central Asia in 1949 - 1950. The epicenters were determined by the epicentral method (under the assumption that the hodograph is rectilinear), the time in the focus was determined from the hodograph of the P- and S-waves by the Vadati-method by special formulae for diffracted waves. According to the values of the initial ordinates of the linear hodographs, all the earthquakes investigated were divided into two groups, which was in accordance with the existence of two focal surfaces. The comparison of the hodographs of the earthquakes with the

Card 1/2

SOV/169-59-2-1157

The Determination of the Seismic Elements From Regional Instrumental Observations

hodographs of the explosions showed that the focus of the one of the groups is situated on the surface. In that case, the depth of the foci of the second group amounts to about 29 km. The corresponding structure of the earth's crust in Central Asia is as follows: the thickness of the granite stratum amounts to 29 km, the thickness of the basalt stratum to 16 km.

N.A. Vvedenskaya

Card 2/2

BICHEVINA, V.N.

Thickness of the earth's crust in the area of the Far Eastern islands. Geol. i geofiz. no.1:96-106 '60. (MIRA 13:9)

1. Sakhalinskiy kompleknyy nauchno-issledovatel'skiy institut Sibirskogo otdeleniya AN SSSR.
(Soviet Far East--Earth--Surface)

TRIGELVCI, I.

TRIGELVCI, I. Dispatching service in the machine tractor stations. Tr. from the Russian. p. 221.

Vol. 6, No. 12, June 1956.

MECHANISACE ZEMELNISTVI.

AGRICULTURE

Prague, Czechoslovakia

So: East European Accession, Vol. 6, No. 3, March 1957

BICHEVOY, Ya.; BORODATYY, I.

Let's train the true masters of the earth. Prof.-tekh. obr. 21
no.9:1-3 S '64. (MIRA 17:11)

1. Predsedatel' kolkhoza "Rossiya" Novoaleksandrovskogo proizvodstvennogo upravleniya Stavropol'skogo kraya (for Bichevoy). 2. Direktor Grigoripolisskogo sel'skogo professional'no-tekhnicheskogo uchilishcha (for Borodatyy).

BICHEVOY, Ya. V.; VRANA, V. F.; KARTASHEVA, N. M., red.; TRUKHINA, O. N.,
tekhn. red.

[Succulent forage the year round] Sochnye korma - kruglyi god.
Moskva, Sel'khozizdat, 1962. 109 p. (MIRA 16:3)

1. Sekretar' rayonnogo komiteta Kommunisticheskoy partii
Sovetskogo Soyuza Novo-Aleksandrovskogo rayona Stavropol'-
skogo kraya (for Bichevoy). 2. Glavnyy zootekhnik kolkhoza
"Rossiya" Novo-Aleksandrovskogo rayona Stavropol'skogo kraya
(for Vrana).

(Feeds)

KRAYNIY, A., inzh.; BYCHEVSKAYA, I. [Bychevs'ka, I.], tekhnik

Burned clay foundations. Sil'. bud. 10 no.11 4 '60.

(MIRA 13:8)

(Foundations) (Clay)

DOBRUSHKIN, D.B.; BICHEVSKAYA, L.I.; KHOMYAKOVA, N.I.

Effect of the physiocomechanical characteristics of rubber on the
fatigue life of airtight sealing for high pressure systems.
Kauch. i rez. 22 no.7:26-28 J1 '63. (MIRA 16:8)

1. Sverdlovskiy filial nauchno-issledovatel'skogo instituta
rezinovoy promyshlennosti.

(Rubber goods--Testing)
(Packing (Mechanical engineering))

ACCESSION NR: AP4042340

S/0138/64/000/007/0029/0032

AUTHOR: Bichevskaya, L. I.

TITLE: Evaluation of the aggressiveness of petroleum products from the swelling of a rubber standard

SOURCE: Kauchuk i rezina, no. 7, 1964, 29-32

TOPIC TAGS: synthetic rubber, petroleum product aggressiveness, synthetic rubber seal, synthetic rubber swelling, petroleum aggressiveness analysis, standard swelling comparison method, swelling slide rule, NBR rubber, neoprene rubber, petroleum

ABSTRACT: The author analyzes previous methods for evaluating aggressiveness (standard liquids method, structural-group analysis, formulas relating swelling maximum and density of spatial lattice, aniline point) and discusses their shortcomings. She then selects an NBR rubber standard (SKN-26), constructs a diagram of progressively greater swelling of the standard in 22 petroleum products (less than 1% by weight for MS-20 to more than 10% for kerosene) and submits a method of evaluating aggressiveness based on similarity of variations in

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ACCESSION NR: AP4042340

swelling of the standard and of any serial production rubber in two different petroleum products:

$$Q'_{\infty A} - Q'_{\infty B} = Q''_{\infty A} - Q''_{\infty B}$$

where $Q'_{\infty A}$ and $Q'_{\infty B}$ are swelling of the standard in petroleum products A and B respectively,

$Q''_{\infty A}$ and $Q''_{\infty B}$ are the same values for the product rubber under analysis. Experimental verification of the results calculated with the above formula for SKN-26 based serial production rubber in seven petroleum products at 80C showed maximum errors of 1.0 - 1.5% by weight. The method is simplified further by the use of a slide rule (illustrated), permitting rapid readings and constructed for various neoprene and NBR rubbers in relation to various petroleum products. Acceptance of the proposed parameter in technical specifications and government standards will facilitate standardization of petroleum products as to aggressiveness in relation to synthetic rubbers. Orig. art. has: 3 graphs, 1 table and 2 formulas.

ASSOCIATION: Sverdlovskiy filial nauchno-issledovatel'skogo instituta rezinovoy promyshlennosti (Sverdlovsk Branch of the Rubber Industry Scientific Research Institute)

Card 2/3

ACCESSION NR: AP4042340

SUBMITTED: 00

SUB CODE: MT, FP

NO REF SOV: 004

ENCL: 00

OTHER: 002

Card 3/3

BICHEVSKINA, N.I.

Free oxygen concentration in the brain and bone marrow of rabbits following the injection of chemical protective agents against ionizing radiation. Radiobiologiya 3 no. 6:898-902 '63.
(MIRA 17:7)

RECENTOV, Y.F.; BICHUKINA, N.I.

Mechanism of the radioprotective activity of amino acids and
personinsuppressors. Radiobiologia 20:111-112, 1972.
1. Institut biologicheskoi khimii, Akademiya Nauk SSSR, Moscow, U.S.S.R.

RAYEVA, N.V.; BICHEVKINA, N.I.; FEDOTOVA, M.I.; USACHEVA, I.N.

Experimental data of a study on the effect of chlortetracycline for oral administration in various forms of complex therapy for acute radiation sickness. Antibiotiki 5 no.1:73-77 Ja-F '60. (MIRA 13:7)
(RADIATION SICKNESS) (CHLORTETRACYCLINE)

FEDOTOVA, M.I.; RAYEVA, N.V.; BICHEVKINA, N.I.; USACHEVA, I.N.

Experimental data of a study on the effect of chlortetracycline
for parenteral administration in various forms of complex therapy
for acute radiation sickness. Antibiotiki 5 no.1:77-80 Ja-F '60.

(MIRA 13:7)

(CHLORTETRACYCLINE)

(RADIATION SICKNESS)

RAYEVA, N.V.; BICHEVKINA, N.I.; FEDOTOVA, M.I.; USACHEVA, I.N.

Aureomycin in complex therapy of acute radiation sickness in dogs.
Farm. i toks. 23 no.2:173-174 Mr-Ap '60. (MIRA 14:3)
(RADIATION SICKNESS) (AUREOMYCIN)

L 62114-65 EWG(j)/EWT(m)
ACCESSION NR: AP5010356

UR/0205/65/005/002/0293/0294

AUTHOR: Bichevskina, N. I.

TITLE: Methemoglobin formation in rabbits with administration of chemical protectors against ionizing radiation

SOURCE: Radiobiologiya, v. 5, no. 2, 1965, 293-294

TOPIC TAGS: animal, rabbit, methemoglobin, blood, radioprotector, gamma-ray irradiation, single radiation dose, methemoglobinemia, sodium nitrite, paraaminopropiophenon, paraaminobutyrophenon, cysteine, beta-mercaptopropylamine, beta-mercaptoethylamine

ABSTRACT: Experimental and control groups of male rabbits weighing 2-3 kg received intravenously the following radioprotectors: sodium nitrite (30 mg/kg), paraaminopropiophenon (30 mg/kg), paraaminobutyrophenon (30 mg/kg), L-cysteine (400 mg/kg), beta-mercaptoethylamine (125 mg/kg), and beta-mercaptopropylamine (150 mg/kg). Then the experimental groups of animals were gamma-irradiated (ECG-2 unit, 278 r/min) with single 800 r doses. Methemoglobin levels of the blood were determined in the blood spectrophotometrically at periods of 10, 30, 60, and 180 min following radioprotector administration. Findings indicate that sodium nitrite,

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ML 62114-65

ACCESSION NR: AP5010356

paraaminopriophenon, and paraaminobutyrophenon induce considerable methemoglobinemia, of the same degree and duration for all three radioprotectors. In irradiated animals, the nature of methemoglobin formation for these three radioprotectors is essentially the same. Administration of l-cysteine, beta-mercaptoethylamine, and beta-mercaptopropylamine did not produce any statistically reliable increase of methemoglobin in the blood of control animals and tended to decrease the level in irradiated animals. With irradiation of 800 r, methemoglobin forms in the blood and after 180 min its level is 15.8/6.0% higher than the norm. Findings of this study concur with literature data on methemoglobin formation in other animals. Orig. art. has: 2 figures.

ASSOCIATION: None.

SUBMITTED: 20Apr64

ENGL: 00

SUB CODE: LS

NR REF SOV: 003

OTHER: 003

lll
Card 2/2

SETAYERMAN, I.I., prof.; BURCHULADZE, Sh.V.; BICHIKASHVILI, T., red.;
KHUNDADZE, Z., tekhn.red.

[Concrete made with local materials] Beton na mestnom materiale.
Tbilisi, Gos.izd-vo "Sabchota Sakartvelo", 1959. 39 p.
(Georgia--Concrete) (MIRA 13:7)

SAMKHARADZE, Georgiy Pimenovich; BICHIKASHVILI, T., red.; DZOTSENIDZE, Sh.,
tekhn.red.

[Regulation of low-voltage locomotives] Regulirovanie nizkogo
napriazhenia elektropodvizhnykh sostavov. Tbilisi, Gos.izd-vo
"Sabchota Sakartvelo", 1959. 142 p. (MIRA 13:11)
(Electric locomotives)

YANVARASHVILI, V.M., dotsent, kand.tekhn.nauk; BICHIKASHVILI, T., red.;
DZOTSENIDZE, Sh., tekhnred.

[Machinery industry in Soviet Georgia] Mashinostroenie v Sovetskoi Gruzii. Tbilisi, Gos.izd-vo "Sabchota Sakartvelo," 1960.
199 p. (MIRA 13:11)

(Georgia--Machinery industry)

USSR/Human and Animal Physiology (Normal and Pathological).
Metabolism. Nitrogen Metabolism.

T-2

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74541

Author : Yefimochkina, Ye.F.; Ottosen, B.V., Alekseyev, I.V.,
Bichin, L.P.

* Inst : ~~INSTITUT BIOLOGICHESKOY I MEDITSINSKOY KHIMII~~

Title : Investigation of Metabolism of Ammonium Citrate, Glycin and
DL of Glutamic Acid, of Labeled N¹⁵, in Normal and B₆-avi-
taminosis Rats.

Orig Pub : Vopr. med. khimii, 1957, 3, No 6, 440-450.

Abstract : No abstract.

* *INSTITUT BIOLOGICHESKOY I MEDITSINSKOY KHIMII AKADEMII NAUK SSSR, MOSKVA*

Card 1/1

BICHIN, L.P.; ALEKSEYEV, I.V.

Simplified device for mass spectrometric microdetermination
of stable isotopes. Vop. med. khim. 7 no.4:437-441 J1-Ag
'61. (MIRA 15:3)

1. Laboratory for Development of Biophysical Research Methods,
Institute of Biological and Medical Chemistry, Academy of
Medical Sciences of the U.S.S.R., Moscow.
(MASS SPECTROMETRY--EQUIPMENT AND SUPPLIES)
(ISOTOPES)

BICHIN, L.P.

Simple device for freeze-drying and concentrating protein solutions. Vop. med. khim. 7 no.6:648-651 N-D '61. (MIRA 15:3)

1. Institute of Biological and Medical Chemistry, Academy of Medical Sciences of the U.S.S.R., Moscow.
(PROTEINS)

(FREEZE-DRYING-EQUIPMENT AND SUPPLIES)

BICHIN, L.P.

Modified device for the filtration of viscous liquids using the common centrifuge. Lab. delo 8 no.3:54-55 Mr '62. (MIRA 15:5)

1. Laboratoriya biofizicheskikh metodov issledovaniya belkovykh veshchestv (rukovoditel' I.V.Alekseyev) Instituta biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

(FILTERS AND FILTRATION--EQUIPMENT AND SUPPLIES)
(CENTRIFUGES)

BICHIN, L.P.

Simple device for measuring the optical density of solutions
in the SF-4 spectrophotometer. Vop. med. khim. 8 no.3:314-315
My-Je '62. (MIRA 15:7)

1. Institute of Biological and Medical Chemistry, Academy of
Medical Sciences of the U.S.S.R., Moscow.
(SPECTROPHOTOMETER)

BICHIN, L.P.

Simple automatic device for collection of fractions in cooling.
Vop. med. khim. 9 no.4:434-435 J1- Ag'63 (MIRA 17:4)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR,
Moskva.

VOL'PIN, M.Ye.; SHUR, V.B.; BICHIN, L.P.

Study of nitrogen fixation on complex catalysts by means of N^{15} .
Izv. AN SSSR. Ser. khim. no.4:720-721 '65. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR i Institut biologicheskoy i meditsinskoy khimii AMN SSSR.

BICHINA, T. I.

System of measures for controlling the San Jose scale. Zashch.
rast. ot vred. i bol. 5 no.6:46-48 Je '60.
(MIRA 16:1)

1. Direktor Moldavskoy karantinnoy laboratorii.

(Moldavia---San Jose scale---Extermination)

BICHINA, Tamara Ivanovna; MARKELOVA, Yelena Mikhaylovna

[Fruit tree leaf rollers] Sadovye listovertki. Moskva, Gos.
izd-vo sel'khoz. lit-ry, 1957. 77 p. (MIRA 10:11)
(Leaf rollers)

RICHIR, I.

TECHNOLOGY

Periodicals: ELECTROTEHNICA. Vol. 6, no. 7, July 1958

RICHIR, I. Comparison of the performances of the regular small electric motors with commutator, and those of the small electric motors without stator winding. p. 233

Monthly List of East European Accessions (MEEA) LC, Vol. 8, No. 2,
February 1959, Unclass.

BICHIR, N.

From the activities of the Circle of Scientific Association of Engineers and Technicians of Rumania of the Institute of Electrotechnical Research. p. 36.

ELECTROTEHNICA. (Asociatia Stiintifica Inginerilor si Tehnicienilor din Romania si Ministerul Energiei Electrice si Industrii Electrotehnice) Bucuresti, Rumania. Vol. 7, No. 1, Jan. 1959.

Monthly List of East European Acquisitions (EEAI) LC Vol. 8, No. 6, June 1959.
Uncl.

BICHR, N.I., ing.

On the occasion of the 75th anniversary of the birth of
Academician I.S. Gheorghiu. Electrotehnica 9 no.5:182-
183 My '61.

BICHIR, Nastase, I., (Bucuresti).

The microgenerator with permanent magnets and stabilized tension.
Electrotehnica 9 no.8:282-288 Ag '61.

1. Cercetator la Institutul de Cercetari Electrotehnice.

BICHIR, Nastase I., ing.

Forced cooling control of large transformers. Electrotehnica
10 no.5:174-180 My '62.

1. Cercetator la Institutul de Cercetari Electrotehnice.

BICHIR, Nastase I., ing. (Bucuresti)

Study of the noise of electric machines. Electrotehnica 11 no.2:
50-57 F '63.

1. Cercetator la Institutul de Cercetari Electrotehnice.

BICHIR, Nastase I.; VINARU, Luchian C., fizician (Bucuresti)

Practical methods for measuring the noise produced by electric rotary machines. Electrotehnica 11 no. 11/12:440-445 N-D '63.

1. Chief researcher at the I.C.P.E. 2. I.C.P.E. (for Vinaru).

BICHKEI, J.

HUNGARY/Analytical Chemistry. General Problems.

E

Abs Jour: Ref. Zhur.-Khimiya, No 12, 1958, 39292.

Author : Bichkei J.

Inst : Not given.

Title : The Oxidometric Titrations in An Alkaline Medium.

Orig Pub: Magyar tud. akad. kem. tud. oszt. közl., 1956, 7,
No 3-4, 287-298. See: R ZhKhim, 1958, 7521.

Abstract: No abstract.

Card : 1/1

1

BICHKEVSKIY, A.D.

Some characteristics of changes in the petroleum of the southern
Emba region. Vest. AN Kazakh SSR 21 no.4:44-54 Ap '65.

(MIRA 18:5)

BICHKOV, S.I., brigadir montazhnikov

We will finish building the bridge on schedule. Transp.stroi.
12 no.7:4 J1 '62. (MIRA 16:2)

1. Mostopoyezd No.410 Mostostroitel'nogo tresta No.5.
(Bridge construction)

bc

2-4

PROCESSES AND PROPERTIES INDEX

Role of erythrocytes in protein metabolism.
 III. Distribution of amino-nitrogen between
 erythrocytes and plasma. I. B. SHARSKI. IV.
 Effect of amino-acids on the respiration of
 nuclear erythrocytes. S. BUCHKOV (Bull. Biol.
 Med. Exp. U.R.S.S., 1966, 1, 125-127, 123-124).—
 III. In dogs ingestion of meat results in increase in
 the $\text{NH}_2\text{-N}$ content of the whole blood. The increase
 occurs in the erythrocytes which transport the
 $\text{NH}_2\text{-acids}$; plasma- $\text{NH}_2\text{-N}$ remains nearly const.
 IV. The respiration of erythrocytes (pigeon) is
 decreased by addition of $\text{NH}_2\text{-acids}$ (histidine >
 tryptophan > d-alanine > d-leucine). The extent to
 which these $\text{NH}_2\text{-acids}$ are adsorbed at the surface
 of the erythrocytes varies in the same order.
 W. McC.

ASM-55.4 METALLURGICAL LITERATURE CLASSIFICATION

RECORDS BY SUBJECT

RECORDS BY SUBJECT	RECORDS BY DATE	RECORDS BY AUTHOR	RECORDS BY TITLE	RECORDS BY ABSTRACT	RECORDS BY INDEX	RECORDS BY REFERENCE	RECORDS BY SUMMARY	RECORDS BY FULL TEXT	RECORDS BY FULL TEXT AND ABSTRACT	RECORDS BY FULL TEXT AND INDEX	RECORDS BY FULL TEXT AND REFERENCE	RECORDS BY FULL TEXT AND SUMMARY	RECORDS BY FULL TEXT AND FULL TEXT AND ABSTRACT	RECORDS BY FULL TEXT AND FULL TEXT AND INDEX	RECORDS BY FULL TEXT AND FULL TEXT AND REFERENCE	RECORDS BY FULL TEXT AND FULL TEXT AND SUMMARY
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11F

The role of erythrocytes in protein metabolism. III. The distribution of amino nitrogen between erythrocytes and plasma in vivo. B. I. Zbarskii. *Arch. sci. sup.* (U. S. S. R.) 41, No. 2, 49-58 (in English 101-2) (1930).--See C. A. 31, 3971¹. IV. The influence of certain amino acids upon the respiration of nucleated erythrocytes. S. M. Bichkov. *Ibid.* 50-64 (in English 162).--See C. A. 31, 3971¹. W. A. Perlzweig

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
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2716. Motor characteristics in the (Ward) Leonard system with three-winding exciter for the generator.																																																			
Bucakov, V. P. <i>Elektrichstvo</i> (No. 9) 41-6 (Sept., 1948) <i>In Russian</i> .—Ward-Leonard control of motors in excavators, hydraulic power presses, etc., requires three-field excitation for the main generator. The drooping speed/torque characteristic prevents overloading of the motor and generator, when the torque becomes excessive. A method of constructing the mechanical characteristics of such a system is given. The three fields of the generator are: (1) separately, (2) shunt- and (3) series-excited. A method is given for choosing the parameters to give optimum conditions for a given load. There is also an analysis of this construction and a comparison of theoretical and actual figures.																																																			
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BICHKOVA, K.I. [Bychkova, K.I.], kand.med.nauk; VAYSBERG, S.Ya. [Vainberh, S.IA.], kand.med.nauk

Functional changes under the influence of antiallergic actions in hemorrhagic syndromes in children. Ped., akush. i gin. 23 no.6: 31 '61. (MIRA 15:4)

1. Kafedra pediatrii Donetskogo meditsinskogo instituta.
(HEMOPHILIA)

197 APR 1968 (P.18)										197 APR 1968 (P.18)									
PROCESSING AND PROPERTY INDEX																			
BC 1. <u>Investigation of the effect of A. L. Dzhuravskaya (Arch. Sci. Inst. Moscow, 1958) and G. B. Wengrovsky's</u> photo method is suitable for the determination of the two phases. Complete disappearance of Ni_3Sn_2 is accompanied by max. concentration of Ni_3Sn. The second phase of the process is usually Ni_3Sn and Ni_3Sn_2 is max. Enlarged degree of growth and of Ni_3Sn leads to accumulation of Ni_3Sn and to inhibition of the activity of Ni_3Sn_2 during heating. Cr. Ana. B III																			
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COMMON ELEMENTS																										PROCESSES AND PROPERTIES INDEX																										COMMON VARIANTS INDEX																									
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																										1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																										1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50																									
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The formation of fat by the fungus <i>Endomyces vernalis</i> .																																																																													
1. The influence of the composition of the substrate on the formation of fat by <i>Endomyces vernalis</i> under conditions of film growth. A. L. Ikhikovskaya, <i>Mycology</i> (U. S. S. R.) 8, 1170-80(1940); <i>Chem. Zvezd.</i> 1940, II, 1595-6.—The substrates studied were 7% yeast water, beer wort and sucrose molasses. The presence of assimilable N, C and P was necessary for the growth of a thick film rich in fat. $(\text{NH}_4)_2\text{SO}_4$, NH_4NO_3 and $(\text{NH}_4)_3\text{PO}_4$ did not give good results with yeast water or beer wort but gave better results with the molasses, especially in the presence of chalk. Org. N as asparagine, peptone and urea gave good results only with yeast water. A sugar concn. of 3-5% was found to be optimum; higher sugar doses retarded the process and the production of fat and caused large amts. of sediment. A deficiency of N in the presence of sufficient sugar reduced the yield of dry substance and increased the percentage of sugar. An excess of N with a deficiency of sugar produced a low yield in dry substance with little or no fat. A P deficiency resulted in incomplete utilization of sugar while the effect of an excess of P was in the direction of a growth low in fat. At a sugar concn. of 8% the sugar was completely used up in 5-7 days. Thereafter, the no. of fat-contg. cells was reduced.																																																																													
M. G. Moore																																																																													
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BICHKOV'S'KIY, V.N. [Bychkovs'kyi, V.N.], kand.med. nauk

Some reactions of diphtheria patients to intravenous administration of glucose. Ped., akush. i gin. 25 no.2:5-8'63.

(MIRA 16:9)

1. Kafedra dityachikh infektsiynykh khvorob (zav. - dotsent S.M. Gavalov [Havalov, S.M.]) Krims'kogo medichnogo institutu (rektor - dotsent S.I.Georgiyevs'kiy [Heorhiiev's'kyi, S.I.]).
(DIPHTHERIA) (GLUCOSE—THERAPEUTIC USE)

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Annotations and authors' abstracts. Pediat. akush. ginek. no.3: 31-34 '63 (MIRA 17:1)

1. Khar'kovskiy nauchno-issledovatel'skiy institut okhrany materinstva i detstva (for Stuliy).
2. Kafedra detskikh bolezney Odesskogo meditsinskogo instituta (for Safronova).
3. Ukrain'skiy institut okhrany materinstva i detstva (for Buts'ka).
4. Detskiy sanatoriy dlya rekonvalescentov ot tuberkuleznogo meningita, Kiyev, Pushcha-Voditsa (for Krivobokov).
5. Detskaya klinika Ivano-Frankovskogo meditsinskogo instituta (for Voloshinov).
6. Kafedra detskikh infektsionnykh bolezney Krymskogo meditsinskogo instituta (for Bichkovskiy, Pokotilova).
7. Institut infektsionnykh bolezney Kiyev (for Kolesnikov).
8. Khar'kovskiy oblastnoy detskiy dom No.1 (for Zlatkis, Savost'yanova, Brin, Matveyenko).
9. Kafedra pediatrii Kiyevskogo med. instituta (for Bronz).
10. Kafedra fakul'tetskoy pediatrii Gor'kovskogo med. instituta (for Yepshteyn).
11. 2-ya detskaya bol'nitsa Shevchenkovskogo rayona g. Kiyeva (for Shakhnovich).